



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME

P.O. BOX 115525
JUNEAU, ALASKA 99811-5525

Permit #: SF2008-094

Expires: 7/31/2008

Collections Report Due: 8/31/2008

FISH RESOURCE PERMIT
(For Scientific/Educational Purposes)

This permit authorizes

David Heins (whose signature is required on page 2 for permit validation)
person

of Dept. of EE Biology-Tulane University at 400 Lindy Boggs Center, New Orleans, LA 70118
agency or organization address

to conduct the following activities from May 15, 2008 to July 31, 2008 in accordance with AS 16.05.930:

Purpose: To conduct research regarding the ecological and evolutionary causes of variation in the life histories of populations of stickleback in Alaska.

Location: Freshwater and brackish water throughout the south-central and Kenai Peninsula areas. You must notify the local area management biologist before sampling at each site (**Stipulation #1**)

Species Collected: Three-spine and nine-spine stickleback

Method of Capture: Minnow traps, beach seines, dip net

Final Disposition: Any number of individuals may be captured, counted and released alive at each system.
≤600 individuals of each species from systems sampled may be killed (**see exceptions below**)
≤1000 three-spine stickleback from Scout and Walby Lakes may be killed
≤1000 nine-spine stickleback from Dog Bone Lakes may be killed

-Continued on Back-

REPORT DUE January 31, 2009. The report shall include species, numbers, dates, and locations of collection (datum/GPS coordinates in the decimal degrees format (dd.ddddd)) and disposition, and if applicable, sex, age, and breeding condition, and lengths and weights of fish. *It must also include the date(s)/time(s) the local biologist was contacted for final authorization to carry out collecting activities. A completion report (abstract, background, methods, data, analysis), if not submitted with the collection report described above, must be submitted to the department by January 2009.* Data from such reports are considered public information. The report shall also include other information as may be required under the permit stipulations section.

GENERAL CONDITIONS, EXCEPTIONS AND RESTRICTIONS

1. This permit must be carried by person(s) specified during approved activities who shall show it on request to persons authorized to enforce Alaska's fish and game laws. This permit is nontransferable and will be revoked or renewal denied by the Commissioner of Fish and Game if the permittee violates any of its conditions, exceptions or restrictions. No redelegation of authority may be allowed under this permit unless specifically noted.
2. No specimens taken under authority hereof may be sold or bartered. All specimens must be deposited in a public museum or a public scientific or educational institution unless otherwise stated herein. Subpermittees shall not retain possession of live animals or other specimens.
3. The permittee shall keep records of all activities conducted under authority of this permit, available for inspection at all reasonable hours upon request of any authorized state enforcement officer.
4. Permits will not be renewed until the department has received detailed reports, as specified above.
5. UNLESS SPECIFICALLY STATED HEREIN, THIS PERMIT DOES NOT AUTHORIZE the exportation of specimens or the taking of specimens in areas otherwise closed to hunting and fishing; without appropriate licenses required by state regulations; during closed seasons; or in any manner, by any means, at any time not permitted by those regulations.


Fish Resource Permit Coordinator
Division of Sport Fish


for Director
Division of Sport Fish

4-18-08
Date

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Authorized Personnel: The following persons may perform collecting activities under terms of this permit:

Amanda Burr, David Heins

Employees and volunteers under the direct supervision of, and in the presence of, one of the authorized personnel listed above may participate in collecting activities under terms of this permit.

Permit Stipulations:

- 1) The local Area Management Biologist, **Robert Begich** (260-2920; robert.begich@alaska.gov) Soldotna; **Dan Bosch** (267-2153; dan.bosch@alaska.gov) Anchorage; **Dave Rutz** (746-6323; david.rutz@alaska.gov) Palmer; **Nicky Szarzi** (235-8191; nicky.szarzi@alaska.gov) Homer, must be notified prior to you engaging in any collecting activities. These biologists may specify methods for collecting, as well as limiting the collections of species by number, time and location.
- 2) Each piece of unattended sampling gear must be; 1) labeled with the permittee's name, telephone number, and permit number, 2) securely tied to substrate, 3) placed in a location where they will not be easily noticed (e.g. under cut banks, in pools away from roads or trails), 4) allowed to soak no more than twenty-four hours at a time, 5) located with GPS coordinates, and 6) accounted for/ removed at the conclusion of sampling.
- 3) Salmon eggs used as bait in traps must either be; sterilized commercial eggs or, if raw, be disinfected prior to use. A 10-minute soak in 1/100 Betadyne solution or some other iodophor disinfectant is adequate.
- 4) Gloves (cotton, etc.), boots, and collecting gear should be disinfected between streams to reduce the potential of pathogen transmission. A wash/rinse in 1/100 Betadyne solution is adequate.
- 5) If anadromous fish are found in permitted streams and rivers, the permit holder will work closely with ADF&G to see that information is included in the database for the *Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes*. Anadromous fish include *Oncorhynchus spp.*, Arctic char, Dolly Varden, sheefish, smelts, lamprey, whitefish, and sturgeon. Please direct questions to J. Johnson, 267-2337 or j.johnson@alaska.gov
- 6) **Atlantic salmon** and other **non-native invasive aquatic species** encountered should be killed. The nearest ADF&G office (**see Stipulation # 1**) must be contacted immediately with species identification or description, capture or sighting location, number captured, size, and sex. Preserve/turn in the whole specimen to the nearest ADF&G office.
- 7) *A copy of this permit, including any amendments, must be made available at all field collection sites and project sites for inspection upon request by a representative of the department or a law enforcement officer.*
- 8) Issuance of this permit does not absolve the permittee from compliance in full with any and all other applicable federal, state, or local laws, regulations, or ordinances.
- 9) A **report of collecting activities**, referenced to this fish resource permit number, must be submitted to the Alaska Department of Fish and Game, Division of Sport Fish HQ, P.O. Box 115525, Juneau, AK 99811-5525, Attention: Bob Piorkowski (465-6109; Robert.Piorkowski@alaska.gov), within 30 days after the expiration of this permit. This report must summarize the number of fish captured by date, by location (provide GPS coordinates and datum), and by species, and the fate of those fish. Fish length, weight, sex, and age data should be included if collected. A completion report (abstract/background/methods /data/analysis), if not submitted with the collection report described above, must be submitted to the department within six months of the expiration of the permit. Data from such reports are considered public information. A report is required whether or not collecting activities were undertaken. A report should also be sent to the Biologist(s) listed under **Stipulation #1**.

PERMIT VALIDATION requires permittee's signature agreeing to abide by permit conditions before beginning collecting activities:

Signature of Permittee

cc:	Robert Begich, Division of Sport Fish, Soldotna	Dan Bosch, Division of Sport Fish, Anchorage
	Dave Rutz, Division of Sport Fish, Palmer	Nicky Szarzi, Division of Sport Fish, Homer
	Bert Lewis, Division of Commercial Fisheries, Anc.	Scott Maclean, ADNR-OHMP, Anchorage
	Mike Bethe, ADNR-OHMP, Palmer	Lee McKinley, ADNR-OHMP, Soldotna
	Fish and Wildlife Protection, Palmer	